California State Fire Marshal

National Fire Incident Reporting System

Data as of: 03/20/2007   11:55:25AM

FDID Range:
0 to No Upper Bound

Incident Date Range:
 01/01/2003 to 12/31/2006

Incident Type:
111 to 123

Detector Effectiveness:
1 to U

Detection System Effectiveness, 2003-2006

Incident Year	Detector Effectiveness	Detector Type	Incident Count	Property Losses	Contents Losses	Fire Service Injuries	Fire Service Deaths	Civilian Injuries	Civilian Deaths
2003									
	Alerted Occupants								
		Combination smoke - heat	92	$830,545	$746,785	3	0	0	0
		Heat	13	$144,500	$70,700	0	0	0	0
		More than 1 type present	26	$187,000	$61,253	3	0	0	0
		Other	14	$71,505	$26,512	0	0	0	0
		Smoke	783	$15,588,656	$4,893,673	12	0	38	3
		Sprinkler, water flow detection	46	$1,110,900	$2,131,670	1	0	0	0
		Undetermined	69	$702,050	$217,217	0	0	5	0
	Subtotal		1,043	$18,635,156	$8,147,810	19	0	43	3
	Failed to alert occupants								
		More than 1 type present	2	$0	$0	0	0	0	0
		Smoke	35	$1,432,900	$444,414	3	0	3	1
		Undetermined	6	$150,600	$61,600	0	0	1	0
	Subtotal		43	$1,583,500	$506,014	3	0	4	1
	No occupants								
		Combination smoke - heat	16	$289,028	$98,200	1	0	0	0
		Heat	3	$202,000	$402,000	0	0	0	0
		More than 1 type present	5	$105,500	$101,500	1	0	0	0
		Other	6	$58,000	$50,000	0	0	0	0
		Smoke	177	$3,612,130	$1,567,690	4	0	2	0
		Sprinkler, water flow detection	15	$3,238,000	$3,290,200	4	0	0	0
		Undetermined	15	$283,335	$70,650	0	0	0	0
	Subtotal		237	$7,787,993	$5,580,240	10	0	2	0
	Occupants failed to respond								
		Combination smoke - heat	6	$0	$1,000	0	0	0	0

Detection System Effectiveness, 2003-2006

Incident Year	Detector Effectiveness	Detector Type		Incident Count	Property Losses	Contents Losses	Fire Service Injuries	Fire Service Deaths	Civilian Injuries	Civilian Deaths
		Smoke		26	$675,800	$279,700	0	0	3	1
		Sprinkler, water flow detection		1	$0	$15,000	0	0	0	0
		Undetermined		2	$4,500	$1,500	0	0	0	0
			Subtotal	35	$680,300	$297,200	0	0	3	1
	Undetermined									
		Combination smoke - heat		3	$375,000	$175,000	1	0	0	0
		Heat		2	$57,500	$95,500	0	0	0	0
		Other		2	$4,000	$20,000	0	0	0	0
		Smoke		73	$1,473,985	$1,041,150	2	0	0	1
		Sprinkler, water flow detection		4	$355,300	$3,045,050	0	0	2	0
		Undetermined		7	$25,000	$23,250	0	0	2	0
			Subtotal	91	$2,290,785	$4,399,950	3	0	4	1
		2003	Total	1,449	$30,977,734	$18,931,214	35	0	56	6
2004										
	Alerted Occupants									
		Combination smoke - heat		81	$1,912,405	$516,235	0	0	2	0
		Heat		20	$36,901	$25,092	0	0	0	0
		More than 1 type present		44	$908,100	$154,900	0	0	2	0
		Other		10	$187,100	$74,300	0	0	0	0
		Smoke		1,193	$23,791,934	$9,636,330	10	0	61	3
		Sprinkler, water flow detection		44	$1,496,800	$646,700	0	0	0	0
		Undetermined		92	$2,156,506	$869,060	1	0	9	0
			Subtotal	1,484	$30,489,746	$11,922,617	11	0	74	3
	Failed to alert occupants									
		Heat		2	$75,000	$100,000	0	0	0	0
		More than 1 type present		1	$0	$0	0	0	0	0
		Smoke		39	$990,750	$378,611	0	0	5	1
		Undetermined		5	$1,450	$0	0	0	0	0
			Subtotal	47	$1,067,200	$478,611	0	0	5	1
	No occupants									
		Combination smoke - heat		10	$217,020	$71,750	0	0	0	0
		Heat		9	$1,152,500	$387,500	0	0	0	0
		More than 1 type present		11	$186,500	$79,500	0	0	0	0
		Other		3	$200,000	$115,000	0	0	0	0

Detection System Effectiveness, 2003-2006

Incident Year	Detector Effectiveness	Detector Type		Incident Count	Property Losses	Contents Losses	Fire Service Injuries	Fire Service Deaths	Civilian Injuries	Civilian Deaths
		Smoke		255	$8,250,835	$2,441,300	10	0	4	0
		Sprinkler, water flow detection		27	$382,500	$1,075,501	1	0	0	0
		Undetermined		28	$2,039,350	$1,068,400	1	0	0	0
			Subtotal	**343**	**$12,428,705**	**$5,238,951**	**12**	**0**	**4**	**0**
	Occupants failed to respond									
		Combination smoke - heat		3	$500	$0	0	0	0	0
		Heat		1	$100,000	$50,000	0	0	0	0
		More than 1 type present		3	$10,500	$5,220	0	0	0	0
		Smoke		39	$276,300	$89,425	0	0	1	1
		Sprinkler, water flow detection		2	$500	$0	0	0	0	0
		Undetermined		7	$3,100	$1,650	0	0	0	0
			Subtotal	**55**	**$390,900**	**$146,295**	**0**	**0**	**1**	**1**
	Undetermined									
		Combination smoke - heat		3	$700,000	$200,100	0	0	0	0
		Heat		4	$770,000	$351,500	0	0	0	0
		More than 1 type present		1	$100,000	$80,000	1	0	0	0
		Smoke		119	$5,967,250	$2,023,975	0	0	9	2
		Sprinkler, water flow detection		3	$33,500	$10,500	0	0	0	0
		Undetermined		18	$168,800	$61,005	0	0	1	0
			Subtotal	**148**	**$7,739,550**	**$2,727,080**	**1**	**0**	**10**	**2**
	2004		**Total**	**2,077**	**$52,116,101**	**$20,513,554**	**24**	**0**	**94**	**7**
2005										
	Alerted Occupants									
		Combination smoke - heat		125	$9,055,330	$1,477,795	5	0	1	0
		Heat		30	$794,700	$878,850	0	0	1	0
		More than 1 type present		67	$442,760	$329,646	0	0	0	0
		Other		6	$200,500	$82,000	0	0	0	0
		Smoke		1,488	$39,530,483	$15,581,702	22	0	83	6
		Sprinkler, water flow detection		79	$1,150,950	$6,624,985	2	0	7	0
		Undetermined		112	$3,143,738	$1,727,820	1	0	14	1
			Subtotal	**1,907**	**$54,318,461**	**$26,702,798**	**30**	**0**	**106**	**7**
	Failed to alert occupants									
		Combination smoke - heat		4	$1,000	$1,000	0	0	0	0
		More than 1 type present		1	$0	$0	0	0	0	0

Detection System Effectiveness, 2003-2006

Incident Year	Detector Effectiveness	Detector Type		Incident Count	Property Losses	Contents Losses	Fire Service Injuries	Fire Service Deaths	Civilian Injuries	Civilian Deaths
		Smoke		57	$2,342,550	$551,350	3	0	2	2
		Sprinkler, water flow detection		3	$130,000	$70,000	1	0	0	0
		Undetermined		7	$90,600	$76,251	0	0	0	0
			Subtotal	72	$2,564,150	$698,601	4	0	2	2
	No occupants									
		Combination smoke - heat		22	$295,450	$161,223	0	0	0	0
		Heat		5	$65,000	$22,500	0	0	0	0
		More than 1 type present		10	$88,750	$75,600	0	0	0	0
		Other		6	$456,500	$1,105,000	0	0	0	0
		Smoke		349	$14,044,226	$5,086,017	8	0	4	0
		Sprinkler, water flow detection		31	$363,550	$1,096,110	1	0	0	0
		Undetermined		28	$2,116,815	$1,575,977	1	0	0	0
			Subtotal	451	$17,430,291	$9,122,427	10	0	4	0
	Occupants failed to respond									
		Combination smoke - heat		4	$1,001	$602	0	0	0	0
		Heat		5	$52,000	$16,500	0	0	0	0
		More than 1 type present		3	$15,500	$15,000	0	0	2	0
		Other		1	$100,000	$50,000	0	0	0	0
		Smoke		50	$2,554,100	$537,415	2	0	9	1
		Sprinkler, water flow detection		4	$6,200	$5,010	0	0	0	0
		Undetermined		7	$6,301	$1,701	0	0	1	0
			Subtotal	74	$2,735,102	$626,228	2	0	12	1
	Undetermined									
		Combination smoke - heat		6	$161,050	$105,600	0	0	0	0
		Heat		4	$600	$500	0	0	0	0
		More than 1 type present		5	$5,500	$5,000	0	0	0	0
		Other		1	$10,000	$0	0	0	0	0
		Smoke		167	$9,142,850	$3,150,961	1	0	13	3
		Sprinkler, water flow detection		5	$110,100	$6,155,000	0	0	0	0
		Undetermined		25	$785,750	$220,300	2	0	3	0
			Subtotal	213	$10,215,850	$9,637,361	3	0	16	3
	2005		Total	2,717	$87,263,854	$46,787,415	49	0	140	13

2006

Alerted Occupants

Detection System Effectiveness, 2003-2006

Incident Year	Detector Effectiveness	Detector Type		Incident Count	Property Losses	Contents Losses	Fire Service Injuries	Fire Service Deaths	Civilian Injuries	Civilian Deaths
		Combination smoke - heat		83	$2,339,550	$886,102	0	0	5	1
		Heat		15	$70,800	$23,250	0	0	0	0
		More than 1 type present		46	$972,900	$648,855	0	0	0	0
		Other		14	$193,800	$48,500	0	0	0	0
		Smoke		1,003	$21,705,974	$6,386,408	10	0	49	3
		Sprinkler, water flow detection		57	$2,047,200	$375,850	0	0	1	0
		Undetermined		88	$1,956,463	$654,067	0	0	10	0
			Subtotal	1,306	$29,286,687	$9,023,032	10	0	65	4
	Failed to alert occupants									
		Heat		2	$400,000	$105,000	0	0	0	0
		More than 1 type present		2	$1,500	$0	0	0	0	0
		Smoke		42	$1,588,150	$462,100	1	0	3	0
		Undetermined		2	$20,000	$10,000	0	0	0	0
			Subtotal	48	$2,009,650	$577,100	1	0	3	0
	No occupants									
		Combination smoke - heat		8	$76,500	$37,000	0	0	0	0
		Heat		2	$330,000	$55,000	0	0	0	0
		More than 1 type present		7	$634,500	$1,036,000	0	0	0	0
		Other		3	$100,000	$40,000	0	0	0	0
		Smoke		256	$9,374,937	$3,592,002	3	0	0	0
		Sprinkler, water flow detection		25	$332,000	$836,500	0	0	0	0
		Undetermined		19	$433,200	$144,660	2	0	0	0
			Subtotal	320	$11,281,137	$5,741,162	5	0	0	0
	Occupants failed to respond									
		Combination smoke - heat		4	$58,000	$18,000	0	0	0	0
		More than 1 type present		4	$0	$1,000	0	0	0	0
		Other		1	$10	$10	0	0	0	0
		Smoke		32	$404,250	$99,345	1	0	5	1
		Sprinkler, water flow detection		4	$34,500	$33,500	0	0	0	0
		Undetermined		3	$1	$1	0	0	0	0
			Subtotal	48	$496,761	$151,856	1	0	5	1
	Undetermined									
		Combination smoke - heat		7	$905,000	$218,000	0	0	0	0
		Heat		3	$2,500	$250	0	0	0	0
		More than 1 type present		4	$870,000	$410,500	0	0	0	0

Detection System Effectiveness, 2003-2006

Incident Year	Detector Effectiveness	Detector Type		Incident Count	Property Losses	Contents Losses	Fire Service Injuries	Fire Service Deaths	Civilian Injuries	Civilian Deaths
		Other		1	$20,000	$80,000	0	0	0	0
		Smoke		112	$3,094,376	$747,570	5	0	6	0
		Sprinkler, water flow detection		5	$100,053,000	$30,200	0	0	0	0
		Undetermined		14	$3,256,500	$1,289,000	8	0	2	1
			Subtotal	146	$108,201,376	$2,775,520	13	0	8	1
		2006	Total	1,868	$151,275,611	$18,268,670	30	0	81	6
			Grand Total	8,111	$321,633,300	$104,500,853	138	0	371	32

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Detection System Effectiveness, 2003-2006

Parameters:

FDID Range: 0 to No Upper Bound

Incident Date Range: 01/01/2003 to 12/31/2006

Incident Type: 111 to 123

Detector Effectivenes   1 to U

Selection Criteria:

{INCIDENTKEY.FDID}= {?FDIDrange} and
{INCIDENTKEY.IN_STATUS}='V' and
{INCIDENTKEY.IN_DATE}={?IncidentDateRange} and

{IN_BASIC.IN_TYPE}={?IncidentType} and
{FIRE_STRUCTURE.STR_DETECTPRESENCE}='1' and
{FIRE_STRUCTURE.STR_DETECTOPER}='2' and
{FIRE_STRUCTURE.STR_DETECTEFFECT}={?DetectorEffectiveness}